



भारत का राजपत्र

The Gazette of India

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सं. 42] नई दिल्ली, शनिवार, अक्टूबर 14, 2000 (आश्विन 22, 1922)
No. 42] NEW DELHI, SATURDAY, OCTOBER 14, 2000 (ASVINA 22, 1922)

इस भाग में भिन्न पुल संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 (PART III—SECTION 2)

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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PATENTS AND DESIGNS

Calcutta, the 14th October 2000

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कलकत्ता, दिनांक 14 अक्टूबर 2000

पेटैंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटैंट कार्यालय का उधान कार्यालय कलकत्ता में अनुच्छेद है तथा मालवड़ी, दिल्ली एवं चैन्सिल्ह में इसके शास्त्र कार्यालय हैं, जिनके प्रादोर्षीक क्षेत्राधिकार जोन के आधार पर निम्न रूप प्रदर्शित हैं।—

पेटैंट कार्यालय शास्त्र, टॉडी इस्टर्ड, तीव्रगत तल, लोअर परल (प.), मूल्हड़-400 013.

गृजरात, महाराष्ट्र, भूमि प्रदौड़ संघ गोदा राज्य क्षेत्र तर्फ संघ शास्त्र शिविर, दग्धन तथा दौव एवं दान्त और नगर इन्डिया।

तार पता—"पेटैंटिफिस"

फोन : 482 5092 फैक्स : 022 4950 622

पेटैंट कार्यालय शास्त्र, एकम से 401 से 405, तीव्रगत तल, गोदा राज्य क्षेत्र शिविर, गोदा कर्मज बाग, गोदा दिल्ली-110 005.

हीमाण्ण, हिमाचल प्रदेश, अमृतसर क्षेत्र, पंजाब राज्यस्थान, उत्तर प्रदेश तथा दिल्ली राज्य क्षेत्रों एवं संघ शास्त्र शिविर गोदा।

तार पता—"पेटैंटिफिक"

फोन : 578 2532 फैक्स : 011 576 6204

CORRIGENDUM

In the Gazette of India, Part-III, Sec. 2 dated the 29th July, 2000. In page—605 Col.-2 read the application for Patent No. 901/Del/91 (184289) filed on 23rd September, 1991.

In the Gazette of India, Part-III, Sec. 2 dated the 12th August 2000. In page—652, Col.-2 read the application for Patent No. 570/Cal/95 (184371) filed on 22nd May, 1995 instead of 570/Cal/2000.

APPLICATION FOR THE PATENT FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATE, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), MUMBAI-400 013

31-7-2000

713/Mum/2000 Hindustan Lever Limited. "Cosmetic composition with improved benefit agents"

714/Mum/2000 Kiran Anant Naik. "Hybrid thermal power plant".

715/Mum/2000 Bayer Aktiengesellschaft. "Process for preparing 2-chloro-4-nitro-*o*-tolyl benzene". (Priority Date : 27-8-99) Germany.

पेटैंट कार्यालय शास्त्र, विंग सी (सी-4, ए), तीव्रगत तल, गोदा भूमि, बस्तन नगर, मूल्हड़-600090।

आनंद प्रदेश कर्मज केवल हीमाचल प्रदेश तथा पाण्डिकर्मी राज्य क्षेत्र एवं संघ शास्त्र शिविर, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप।

तार पता - "पेटैंटिफिस"

फोन : 490 1495 फैक्स : 044 490 1492

पेटैंट कार्यालय (प्रधान कार्यालय)

निजाम पैलेस, दिवनीय बहुमतीय कार्यालय भवन 5, 6 तथा 7वां तल, 234/4, आचार्य अगदीश बोस मार्ग, कलकत्ता-700 020.

भारत का अवशेष क्षेत्र।

तार पता - "पेटैंटिस"

फोन : 247 4401 फैक्स : 033 247 3851

पेटैंट अधिकारियम, 1970 तथा पेटैंट (संशोधन) अधिकारियम, 1999 अथवा पेटैंट (संशोधन) नियम, 1972 द्वारा डिपोर्टेट सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फोस पेटैंट कार्यालय के केवल समुचित कार्यालय में ही शहर किये जायेंगे।

शक्ति शास्त्रों को अदायगी या तो नक्त की जाती रखना जहां जप्तवात कार्यालय अव स्थित है, उस स्थान के अनुसारित बैंक से नियन्त्रक को भूगतान योग्य बैंक ड्रॉप अथवा चैक द्वारा की जा सकती है।

716/Mum/2000. Bayer Aktiengesellschaft "Process for preparing monodisperse anion exchangers". (Priority Date : 27-8-99 & 12-11-99) Germany.

717/Mum/2000. Westinghouse Air Brake Company "Aftercooler having bypass passage integrally formed therewith". (Priority Date : 24-8-99) U.S.A.

718/Mum/2000. Westinghouse Air Brake Company "Normally open purge valve". (Priority Date : 24-8-99) U.S.A.

719/Mum/2000. Westinghouse Air Brake Company "A suspension system for a car mounted brake assembly". (Priority Date : 17-9-99) U.S.A.

1-8-2000

720/Mum/2000 Hindustan Lever Limited. "Composition for enhancement of detergency".

721/Mum/2000. Tata Institute of Fundamental Research. "Preloaded parabolic dish antenna & the method of making it".

722/Mum/2000 Bayer Aktiengesellschaft "Process for preparing monodisperse anion exchangers having strongly basic functional groups". (Priority Date : 27-8-99 & 10-11-99) Germany.

2-8-2000

723/Mum/2000. Aseem Consumer Products Pvt. Ltd. "Process of manufacture dextrose monohydrate (Glucose) based tablets".

824/Mum/2000. Bayer Aktiengesellschaft (Priority date : 27-8-99 & 12-11-99) Germany. "Process for preparing monodisperse, crosslinked bead polymers having thiourea groups and their use for adsorbing metal compounds".

725/Mum/2000. Sony Corporation. (Priority date : 6-8-99) Japan. "Antenna apparatus and portable radio set".

3-8-2000

726/Mum/2000. Advanced Elastomer Systems, L. P. (Priority Date : 19-11-99) U.S.A. "Thermoplastic vulcanizates of carboxylated nitrile rubber and thermoplastic polyurethanes".

727/Mum/2000. Westinghouse Air Brake Company. (Priority Date : 23-9-99) U.S.A. "Coonet style tread brake unit".

4-8-2000

728/Mum/2000. Dr. Deepa Deep Deobagkar, Mrs. Veena Abhay Lunaye. "An improved process for preparation of immunochemical complex useful for pathogen detection and determination of their antigenic sensitivity".

7-8-2000

729/Mum/2000. Pushpalata Vijay Tidke. "Aromoherb & Ayurvedic Indusutes".

730/Mum/2000. Tai Hsiu-Lan. "Steel threading applicator cutter adjusting mechanism".

731/Mum/2000. Parekh Communication & Software Ltd. "New method of customer handling and payment system for online transactions on internet".

732/Mum/2000. Pfizer Products Inc. (Priority Date : 12-8-99) U.S.A. "Streptomyces avermitilis gene directing the ratio of B 2 :B 1 avermectins".

8-8-2000

733/Mum/2000. Pfizer Products Inc. "Pyrimidine-2, 4, 6-trione metalloprotease inhibitors". (Priority Date : 12-8-99) U.S.A.

734/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. "Roller type rocker arm". (Priority Date : 6-9-99) Japan.

9-8-2000

735/Mum/2000. BHPH Company Limited. "Novel lactic acid bacterial preparation having biopurification activity".

736/Mum/2000. Rallis India Limited. "An insecticidal composition of pyrethroid fenvalerate and organophosphorous acephate".

737/Mum/2000. Hughes Electronics Corporation. "Signal processing circuit for communicating with a modular mobile satellite terminal & method therefor". (Priority Date : 18-8-99) U.S.A.

738/Mum/2000. Ashok Kumar & Sidharth Kumar. "A method of producing a hologrammed structure by cold compression the hologrammed structure and a device to perform the method".

39/Mum/2000. Ashok Kumar & Sidharth Kumar. "A method of producing a hologrammed structure by hot foil stamping, the hologrammed structure and a device to perform the method".

10-8-2000

40/Mum/2000. Ravinder Kumar K. Bhatia. "Mechanical drive for oil supply to gas based autorickshawa".

741/Mum/2000. Unichem Laboratories Limited. "An improved process for preparation of secnidazole I.E. α -2-dimethyl-5-nitro-1H-imidazole-1-ethanol".

742/Mum/2000. Nihon Bayer Agrochem K. K. "Novel 1, 3, 5-triazines". (Priority Date : 9-9-99 & 2-3-2000) Japan.

743/Mum/2000. Eastman Kodak Company. "Package and method of forming utilizing photographic images". (Priority Date : 30-9-99) U.S.A.

744/Mum/2000. Praxair Technology, Inc., "Pressure swing adsorption process for the production of hydrogen".

745/Mum/2000. Bhatwal Nirajna Suresh. "Loose/bundle bank note counting machine with ultra violet detection".

746/Mum/2000. Rubenrock John Fernandes. "Novel method of commercially printing business stationery (personalised/general). "An improved and highly cost effective method of printing".

747/Mum/2000. Rohit Harishchandra Parikh An improvement in or relating to a spinning ring used in textile industry".

748/Mum/2000. Ajanta Pharma Limited. "Process for preparation of the fraction and the formulations thereof for diabetes from herbal source".

749/Mum/2000. Rallis India Limited. "An insecticidal composition of pyrethroid fenvalerate and organophosphorous acephate".

750/Mum/2000. Nikul Vinodbhai Patel. "Invention relating to animal roller vehical".

14-8-2000

751/Mum/2000. Hindustan Lever Limited. "Improved granulation process".

752/Mum/2000. Kennametal Inc., "Spade blade drill and method of making". (Priority Date : 18-8-99) U.S.A.

753/Mum/2000. Hughes Electronics Corporation. "Satellite communication system using linear cell tracking". (Priority date : 23-8-99) U.S.A.

754/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. "Air cleaner for motorcycle". (Priority date : 24-9-99) Japan.

755/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. "Motorcycle". (Priority Date : 30-9-99) Japan.

756/Mum/2000. Daimlerchrysler AG. "Reflector with a shaped surface and spatially separated foci for illuminating identical areas; antenna system and method for surface determination". (Priority Date : 20-9-99) German.

757/Mum/2000. Essel Packaging Limited. "Puncture-proof assembly of dispenser/spout & cap".

16-8-2000

758/Mum/2000. Eastman Kodak Company. "Flexible silver halide packaging material". (Priority Date : 30-9-99) U.S.A.

759/Mum/2000. Eastman Kodak Company. "Silver halide formed image packaging label". (Priority Date : 30-9-99) U.S.A.

17-8-2000

760/Mum/2000. Hindustan Lever Limited. "Improved detergent cleaning composition".

761/Mum/2000. Gustav Klauke GmbH. "Hand-held hydraulic pressing apparatus". (Priority Date : 15-9-99) Germany.

762/Mum/2000. Artic Semiconductor Corporation. "Digital content remote access and playback and charge accounting system".

18-8-2000

763/Mum/2000. Ethyl Corporation. "Fuels with enhanced lubricity". (Priority Date : 31-8-99) U.S.A.

764/Mum/2000. Westinghouse Air Brake Company. "Brake shoe with friction management". (Priority Date : 25-10-99) U.S.A.

765/Mum/2000. Alstom. "A double busbar electricity substation and interruption and selecting switch gear designed to be used in said substation". (Priority Date : 25-8-99) France.

ALTERATION OF DATE

Patent No. (888/M/94) 184989
Ante-dated to 11th February 1991

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिदेश

एतद्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इन्हें क्षयित, इसके निर्णय की तिथि से चार (4) महीने या अधिक एंसी इवेंथ और उक्त चार (4) महीने की अवधि की समीक्षा के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्रूप 4 पर अगर आवंटित हैं, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक एकस्थ के उपयक्त कार्यालय में ऐसे विरोध की सूचना विभिन्न प्रूप 7 पर दे सकते हैं। विरोध संबंधी लिखित बताये दी

प्रतियों में साथ के साथ, यदि कोई हो, उक्त सूचना के बाब्त या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फार्मल कर दिए जाने चाहिए।

प्रत्येक विनिदेश के संदर्भ में नीचे दिये गयीकरण, भारतीय वगीकरण तथा बन्हर्षष्टीय वगीकरण के बन्हर्षष्टीय हैं।

विनिदेश तथा विव आरेख, यदि कोई हो, को अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके साथ कार्यालयों से यथाविहित फार्मल प्रति शुल्क उक्त दस्तावेज के 10 रुपए प्रति पृष्ठ पर 30 रुपए की अदायगी पर की जा सकती है।

ऐसी पौरीस्थिति में जब विनिदेश की अंकित प्रति उपलब्ध होती है, विनिदेश तथा विव आरेख, यदि कोई हो, की कार्यालयों को आपूर्ति पेटेंट कार्यालय या उसके साथ कार्यालयों से यथाविहित फार्मल प्रति शुल्क उक्त दस्तावेज के 10 रुपए प्रति पृष्ठ पर 30 रुपए की अदायगी पर की जा सकती है।

Ind. Cl. : 206E

184961

Int. Cl.⁴ : G 06F 5/00, 9/00, 12/00.

A COMPUTER JACKETING SYSTEM.

Applicant :

DIGITAL EQUIPMENT CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA, OF 146 MAIN STREET, MARYNARD, MASSACHUSETTS 01745, UNITED STATES OF AMERICA.

Inventor(s) :

RONALD FRANKLIN BRENDER—U.S.A.,
MICHAEL VIN ILES—ENGLAND.

Application For Patent No. 694/Del/91 Filed on 30-07-91.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A Computer jacketing system (10) embodying a first hardware architecture and comprising :—

A processor (12) for executing a plurality of first routines each including at least one call complying with a first call convention characteristic for a first domain, said processor being operable to simulate a second computer hardware architecture for executing plurality of second routines each including at least one call complying with a second calling convention characteristic of a second domain, each said call of a plurality of said first and second routines comprising a cross-domain call from one of said first and second domains comprising a calling domain to the other of said first and second domains comprising a called domain;

Memory (14) means for storing said first and second routines and a plurality of results of said first and second routines;

Means for (108) for jacketing each said cross-domain call requesting service in said called domain and for jacketing each said cross-domain call comprising a return including call results from said called domain after the requested service has been performed, said jacket means including :

Means (160) for transforming first jacketing information specifying a first set of parameters complying with one of said and second calling conventions that is characteristic of said calling domain into second jacketing information specifying a second set of parameters complying with the one of said first and second calling conventions that is characteristic of said called domain, said transforming means including jacket table means compiled from jacket description information for mapping said first set of parameters into said second set of parameters and said second set of parameters into said first set of parameters and;

Jacket memory (106) means coupled with said jacket table means for storing said jacket description information for each said first and second routine that includes any of said cross-domain calls, said jacket description information stored in said jacket memory means including an identification of call type, an identification of said and second parameters, an identification of a call results memory location in which said call results of the cross-domain call can be stored, and an identification of routine memory location containing information to be preserved during said cross-domain call; and

Said processor being coupled with said transforming means and responsive to said second jacketing information for effecting said cross-domain call after jacketing.

(Complete Specification 57 : Pages Drawing Sheets 9)

Ind. Cl. : 168 A/G.

184962

Int. Cl. : A 01 H 45/00.

AN ELECTRONIC INSECT REPELLER.

Applicant :

UDAY GUPTA, AN INDIAN NATIONAL OF 4634,
AJMERI GATE, DELHI-110006, INDIA.

Inventors (s) : UDAY GUPTA-INDIA.

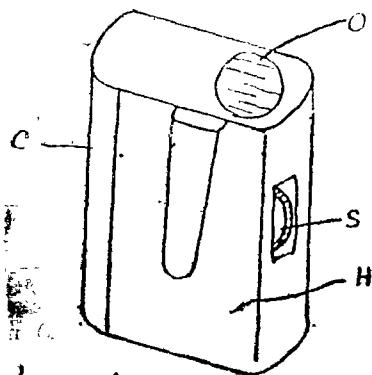
Application for Patent No. 803/Del/91 Filed on 03-09-91.

Complete Left After Provisional Filed on 03-12-92.

Appropriate office for opposition proceedings Rule 4,
(Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An electronic insect repeller comprising a housing adapted to house a circuit therein for producing a sound of the frequency between 5 to 14 KHz, a buzzer adapted to be connected to a power source through said circuit, a switch being connected in parallel with said circuit so as to provide a variable supply to the circuit/buzzer for producing the sound of variable frequency, an opening provided in said housing for allowing an audible emission of the noise produced by said buzzer.



(Provisional Specification 4 Pages Drawing Sheets 1).

(Complete Specification 15 : Pages Drawing Sheets 1)

Ind. Cl. : 87 EI

184963

Int. Cl. : A 63H 1/00, 13/00.

CONSTRUCTION TOY.

Applicant :

CONNECTOR SET LIMITED PARTNERSHIP,
A DELAWARE LIMITED PARTNERSHIP OF 2800
STERLING ROAD, PENNSYLVANIA 19440,
UNITED STATES OF AMERICA.

Inventor(s) : JOEL IRA GLICKMAN—U.S.A.

Application for Patent No. 839/Del/91 filed on 10-9-91.

Appropriate office for opposition proceeding rule 4,
(Patents Rules 1972) Patent Office Branch, New Delhi-110005.

30 Claims

A construction toy comprising a plurality of connector elements and rod-like strut elements formed of molded plastic material and removably joinable to other such elements to form a coherent structure, comprising (a) a socket-forming section disposed on a predetermined socket axis, (b) said socket-forming section comprising a pair of spaced-apart generally parallel cantilever mounted, gripping arms symmetrically arranged with respect to said socket axis, (c) said gripping arm being formed with first interlock means to interlock with a strut element for releasably but firmly holding a strut element aligned with said socket axis, (d) second interlock means formed in said socket-forming section to interlock with a strut element for releasably but firmly holding a strut element in a predetermined axial position along said socket axis, (e) elongated rod-like strut elements formed with opposite end portions and intermediate portions integrally joining said end portions, (f) said opposite end portions being provided with first and second interlocking means for cooperative engagement with the first and second interlocking means of said connector element, whereby the respective first interlocking means hold a strut element in coaxial alignment with said socket axis and the respective second interlocking means hold a strut element in predetermined axial position on said socket axis, (g) each pair of gripping arms defining between them an opensided, axially disposed socket, and (h) said arms being resiliently separable to accommodate lateral snap-in reception of an end portion of a strut element in a direction transverse to said socket axis, whereby said strut element is firmly spaced and positioned in fixed relation to said socket-forming section.

(Complete Specification 44 Pages : Drawing 5 Sheets)

Ind. Cl. : 170D

184964

Int. Cl. : C 11D 1/10.

A DETERGENT COMPOSITION.

Applicant :

THE PROCTER & GAMBLE COMPANY,
A CORPORATION ORGANIZED AND EXISTING
UNDER THE LAWS OF THE STATE OF OHIO,
UNITED STATES OF AMERICA,
OF ONE PROCTER & GAMBLE PLAZA,
CINCINNATI, STATE OF OHIO 45202,
UNITED STATES OF AMERICA.

Inventor(s) :

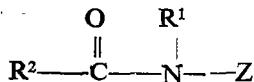
THOMAS EDWARD COOK—U. S. A.,
MARK HSIANG—KUEN MAO—U. S. A.,
ANN MARGARET WOLFF—U. S. A.,
RAJAN KESHAV PANANDIKER—INDIA.

Application for Patent No. 918/Del/91 filed on 26-9-91.

Appropriate office for opposition Proceedings Rule 4, (Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

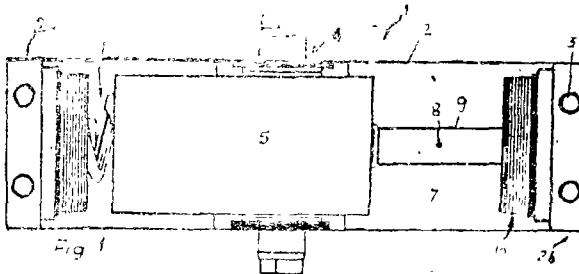
A detergent composition, comprising 3 to 40% by weight one or more anionic surfactants, nonionic surfactants, or mixtures thereof, from 0.0001 to 2% by weight of detergents enzymes and an enzyme performance-enhancing amount of at least 1% of a polyhydroxy fatty acid amide material of the formula :—



wherein R^1 is H, Cl-C₄ hydrocarbyl 2-hydroxy ethyl, 2-hydroxy propyl, or a mixture thereof, R^2 is C₅-C₃₁ hydrocarbyl, and Z is a polyhydroxy-hydrocarbyl having a linear hydrocarbyl chain with at least 3 hydroxyls directly connected to said chain, or an alkoxylated derivative thereof.

(Compl. Specn. : 84 Pages;

Drng. Sheet : Nil).



(Compl. Specn. : 11 Pages;

Drng. Sheet 1).

Ind. Cl. : 40 B.

184966

Int. Cl. : C 01 B, 3/02.

AN IMPROVED PROCESS FOR THE PRODUCTION OF SYNTHESIS GAS BY OXIDATIVE CONVERSION OF METHANE.

Applicant :

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor :

VASANT RAMCHANDRA CHOUDHARY—INDIA, VILAS HARI RANE—INDIA AND AMARJEET MUNSHI RAM RAJPUT—INDIA.

Application for Patent No. 1114/Del/91 filed on 18th Nov. 1991.

Appropriate office for opposition proceedings Rule 4, (Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

14 Claims

An improved process for the production of synthesis gas (or carbon monoxide and hydrogen) by oxidative conversion of methane (or natural gas), which comprises passing continuously a gaseous reactant mixture comprising methane (or natural gas) and oxygen (or air) with or without water vapours over reduced or unreduced composite catalyst, containing non-transition and/or transition metal oxides, represented by the formula T_mN_nR_pO_q wherein T is transition element selected from Ni, Co, Pd, Ru, Rh, Ir or a mixture of two or more thereof, m (i.e. T/R mole ratio) is from 0.01 to 100, N is transition or non-transition element selected from Ni, Co, Pd, Ru, Rh, Ir or a mixture of two or more thereof, m (i.e. T/R mole ratio) is from 0.01 to 100, N is transition or non-transition element selected from Ti, Zr, Hf, Y, Th, U, Zn, Cd, B, Al, Si, Sn, Pb, P, Sb, Bi, Mg, Ca or a mixture of two or more thereof, n (i.e. N/R mole ratio) is from 0 to 100, R is rare earth element chosen from La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb or Lu or a mixture of two or more thereof, q is oxygen and p is number of oxygen atoms required to fulfil the valence requirement of the transition elements in the composite catalyst, prepared by the process as herein described in a fixed bed reactor at a pressure in the range of 0.5—50 atm. temperature in the range of 200°—1000°C, gas hourly space velocity in the range of 10³—10⁸ cm³ g⁻¹ h⁻¹ CH₄ (or natural gas)/O₂ mole ratio in the feed in the range of 1.6—10, H₂O/CH₄ (or natural gas) mole ratio in the range of 0—3.0 and separating the water vapours, unconverted reactants and feed components other than the reactants and carbon dioxide from the product stream by known methods such as herein described.

(Compl. Specn. : 28 pages;

Drwgs. Sheets : Nil)

Ind. Cl. : 57D

184965

Int. Cl. : E 05F 3/04.

A DOOR CLOSER.

Applicant :

ZUKO ENGINEERS,
A PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS PROF. GIAN CHAND CHADHA
OF G. T. ROAD, MODEL TOWN,
AMBALA CITY-133 004, INDIA.

Inventor :

GIAN CHAND CHADHA—INDIA.

Application for Patent No. 1108/Del/91 filed on 18-11-91.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A door closer comprising :—

- (i) a closer body having a piston disposed therein movably,
- (ii) a spring disposed between said piston and one end of said housing,
- (iii) a speed-control valve having a stem being provided at the other end of said housing such that said stem is adapted to be extended within said piston,
- (iv) a main arm and an adjustable arm secured with each being provided so as to be secured with the piston of said body and with the door frame to impart a movement to said main arm upon an opening and closing of the door, characterised in that
- (v) said piston being provided at the front side of said body such that to be engaged with said piston and
- (vi) a mounting plate secured with said body removably being provided for securing said closer body with the frame of the door.

Ind.Cl. : 32B & 40B

184967

Int. Cl.⁴ : B 01 J 29/04

PROCESS FOR PREPARING A ZIEGLER-NATTA TYPE CATALYST.

Applicant : BP CHEMICALS LIMITED, A BRITISH COMPANY, OF BEIGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SW1W OSU, ENGLAND.

Inventors :

JFANSCLAUDE ANDRE BAILLY—FRANCE,
PATRICK BEHUE—FRANCE,
CHARLES JENNY—FRANCE.

Application for Patent No. : 1121/Del/91 filed on 18-11-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

A process for the preparation of a catalyst of the ziegler-Natta type comprising precipitating titanium onto a spheroidal magnesium chloride support characterized, in that the process comprises following steps :—

- (a) contacting a magnesium chloride support (A) comprising from 80 to 99.5 mol% of magnesium chloride and from 0.5 to 20 mol% of an electron-donor compound (D) of the kind such as herein before described free from labile hydrogen and in the form of spheroidal particles having a weight average diameter, D_m of from 10 to 100 microns and a narrow particle size distribution such that the ratio of the weight average diameter, D_m to the number average diameter, D_n is less than 3, with an electron-donor compound (B) of the kind such as herein before described, which contains labile hydrogen;
- (b) contacting the product of (a) with an organometallic compound (c) of the kind such as herein before described which is reducing agent for titanium;
- (c) washing the product of (b) with a liquid hydrocarbon of the kind such as herein before described; and
- (d) contacting the product of step (c) with at least one titanium compound and optionally with at least one vanadium compound of the kind such as herein before described both the vanadium and titanium compounds being soluble in the liquid hydrocarbon.

(Compl. Specn. : 30 pages:

Drwgs. Sheets : Nil)

Ind. Cl. : 40 H

184968

Int. Cl.⁴ : C 22 B, 5/04

GAS DISPERSION APPARATUS FOR MOLTEN ALUMINUM REFINING.

Applicant : UNION CARBIDE INDUSTRIAL GASES TECHNOLOGY CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, WITH AN OFFICE AT 30 OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817-0001, UNITED STATES OF AMERICA.

Inventors : JOHN FRANKLIN PEYTON—U.S.A

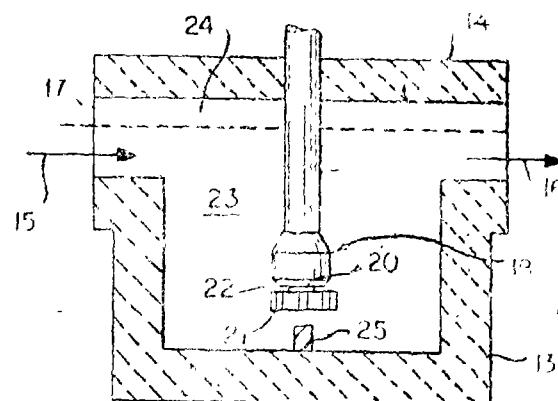
Application for Patent No. : 0136/Del/92 filed on 18-02-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

19 Claims

A gas dispersion apparatus for molten aluminium refining comprising an insulated refractory lined refining chamber having walls and a floor and having positioned therein a spinning nozzle assembly having a rotor portion for the injection of sparging gas into molten aluminium present in the chamber during aluminium refining operations characterised in that a vertical, refractory baffle means is positioned on the floor of and across the refining chamber so as to be located under the rotor portion of the spinning nozzle assembly.

FIG. 5



(Compl. Specn. : 25 pages;

Drwgs. : 4 Sheets)

Ind. Cl. : 32 F(3a)

184969

Int. Cl.⁴ : C 07 D, 311/92

PROCESS FOR THE PREPARATION OF SIMVASTATIN FROM LOVASTATIN OR MEVINOLINIC ACID.

Applicant : RANBAXY LABORATORIES LIMITED, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 OF 19, NEHRU PLACE, NEW DELHI-19, INDIA.

Inventors :

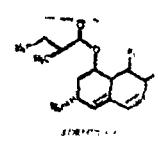
YATINDRA KUMAR—INDIA,
RAJESH KUMAR THAPER—INDIA,
SATYA NAND MISRA—INDIA,
S. M. DILEEP KUMAR—INDIA,
JAG MOHAN KHANNA—INDIA.

Application for Patent No. 175/Del/97 filed on 24-01-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A novel process for the preparation of Simvastatin (Formula V) which comprises reacting compounds of Formula I



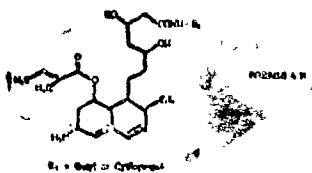
wherein R₁ is a side chain as shown in Formula 1a



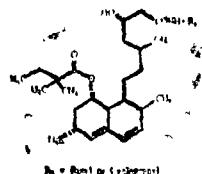
(Lovastatin) or R₁ is a side chain as shown in Formula 1b



(Mevinolinic acid) wherein R₂ is Na, K or NH₃, with alkylamine of the Formula R₂NH₂, wherein R₂ is C (n-butyl or cyclopropyl group) to yield alkyl amide compounds of the Formula II



wherein R₁ is butyl or cyclopropyl group which is then reacted with a methylating agent like methyl iodide in the presence of a base like lithium pyrrolidide to give the compounds of the Formula III



wherein R₁ is butyl or cyclopropyl group which is further reacted with a strong base like sodium hydroxide to cleave the amide linkage and then treated with ammonium hydroxide to precipitate the ammonium salt (Formula IV) which on further heating with an organic solvent gives Simvastatin (Formula V).

(Compl. Specn. 7 pages)

Drgs. 3 sheets)

Ind. Cl. : 123

184970

Int. Cl.⁴ : C 05 D 1/04

A PROCESS FOR THE EXTRACTION OF POTASH FROM GLAUCONITIC SANDSTONE USING COMMON SALT.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001.

Inventors :

SUDHIR SITARAM AMRITPHALE, INDIA
RAKESH KUMAR RAWLEY, INDIA
BHAROS KUJUR, INDIA.

Application for Patent No. 247/Del/91 filed on 22-3-91.

Complete left after provisional specification on 27-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 001.

4 Claims

A process for recovering potash from glauconitic sandstone using common salt which comprises crushing and grinding the glauconitic sandstone to obtain a powder of -52 mesh BSS size, mixing it intimately with a powder of common salt of -52 mesh BSS size in a ratio in the range of 1:0.1 to 1:4, heat treating the mixture at a temperature in the range of 650—850°C for a period in the range of 10 to 60 minutes, leaching the fired product by refluxing with 5 to 25% HCl or with water for a period of 10 to 30 minutes to obtain potash in solution form and, if required, isolating potash in solid form by known methods such as neutralisation, fractional crystallisation.

(Provl. Specn. : 8 pages;

Drwgs. Sheets : Nil)

(Compl. Specn. : 11 pages;

Drwgs. Sheets : Nil)

Ind. Cl. : 39K

184971

Int. Cl.⁴ : C 07 B 33/00

A PROCESS FOR THE MANUFACTURE OF CARBON DIOXIDE BY OXIDATION OF CARBON MONOXIDE USING INDIAN OCEAN MANGANESE NODULES AS CATALYST.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY, INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT.

Inventors :

SREEPADA BHANOJEE RAO—INDIA,
KULAMANI PARIDA—INDIA,
RAVINDRA SINGH THAKUR—INDIA,
JONNALAGADDA RAJAGOPALA RAO—INDIA,
SURENDRA NATH DAS—INDIA.

Application for Patent No. : 371/Del/91 filed on 26-04-1991.

Complete left after provisional filed on 23 04-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

3 Claims

A process for the manufacture of carbon dioxide by oxidation of carbon monoxide using Indian Ocean manganese nodules as catalyst, which comprises pretreating the manganese nodules if desired by conventional methods as herein described, passing a mixture of gases containing carbon monoxide and air where in the ratio of 1:5 to 1:10 over the said nodules heated to 50—300°C for 1—6 hrs, and collecting the carbon dioxide formed by known methods such as herein described.

(Provl. Specn. : 5 pages;

Drwgs. Sheets : Nil)

(Compl. Specn. : 7 pages;

Drwgs. Sheet : Nil)

Ind. Cl. : 40B+56B

184972

Int. Cl.⁴ : B 01 J 21/04

A PROCESS FOR THE PREPARATION OF PLATINUM ON-ALUMINA CATALYST USEFUL FOR THE CATALYTIC REFORMING OF GASOLINE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT.

Inventors :

JONNALAGADDA RAJAGOPALA RAO—INDIA,
SREEPADA BHANOJEE RAO—INDIA,
RAVINDRA SINGH THAKUR—INDIA,
SURENDRA NATH DAS—INDIA,
KULAMANI PARIDA—INDIA,
BHARAT RAMKRISHNA SANT—INDIA.

Application for Patent No : 372/Del/91 filed on 26-04-91.

Complete left after provisional filed on 10-03-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

A process for the preparation of platinum-on-alumina catalyst useful for catalytic reforming of gasoline which comprises (1) reacting aluminium chloride, urea and formic acid ion using the known homogeneous precipitation (HP) technique to precipitate alumina, filtering them washing the said alumina with water followed by drying (2) heating (1A) the said alumina at 500°C for 6 hrs and then impregnating the said heated alumina with platinum (IV) salt and finally drying the platinum impregnated alumina to get the platinum-on-alumina catalyst.

(Prov. Specn. : 6 pages;

Dwg Sheet : Nil)

(Compl. Specn. : 10 pages;

Dwg. Sheet : Nil)

Ind. Cl. : 32C

184973

Int. Cl. : C07C-31/10

AN IMPROVED PROCESS FOR THE PREPARATION OF BETAXOLOL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

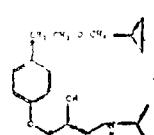
ALLA VENKAT RAMA RAO—INDIA,
MUKUND KESHAO GURJAR—INDIA,
SYED MOHD. BAQUER—INDIA.

Application for Patent No. 660/Del/96 filed on 27-03-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

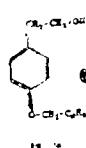
2 Claims

An improved process for the preparation of betaxolol of the formula I



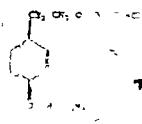
which comprises :

(i) Condensing of 2-(4-benzyloxyphenyl) ethanol of the formula II



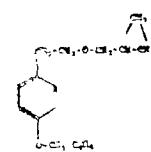
with allyl halide in the presence of a conventional alkali metal base and water miscible polar/nonpolar organic solvent to give the corresponding allyl 2-(4-benzyloxyphenyl) ethyl ether of the formula III.

(ii) Cyclopropanating the ether of the formula III



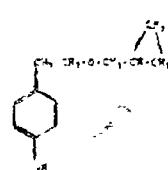
by conventional method to provide the corresponding cyclopropylmethyl 2-(4-benzyloxyphenyl) ethyl ether of the formula IV.

(iii) Removing the benzyl group in the compound of the formula IV

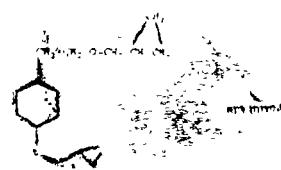


by conventional method to provide cyclopropyl-methyl 2-(4-hydroxyphenyl) ethyl ether of the formula V.

(iv) Treating the compound of the formula V



with epichlorohydrin in the presence of sodium hydroxide to give the compound of the formula VI



and then treating with isopropylamine to give betaxolol of the formula I.

(Compl. Specn. 6 pages

Drg. 1 Sheet)

Ind. Cl. : 55 D2 32 F2a

184974

Int. Cl. : A 01N 43/00, C07D—209/00

A PROCESS FOR THE ISOLATION OF B-C-CARBOLINE AN ALKALOID FROM THE SPONGE TEDENIA ANHELANS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA.

Inventors :

SUBHASH SHIVRAM SAWANT—INDIA
PERUNNINAKULATH PARAMESWARAN
SUBRAYAN—INDIA
ANITA GARG—INDIA
BHARGAVI DAS—INDIA
SHRIDHAR YESHWANT KAMAT—INDIA.

Application for Patent No. 668/Del/96 filed on 27-03-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the isolation of B-Carboline of the formula I from the sponge Tadenia anhelans which comprises:



Formula I

- extracting the sponge Tadenia anhelans in a polar organic solvent(s),
- filtering and concentrating the extract in vacuum to dryness,
- redissolving the dried extract in a polar solvent and fractionating with conventional nonpolar organic solvent into get B carboline in crude form,
- then purifying by conventional chromatography methods on silica gel.

(Compl. Specn. 12 pages;

Drg. 1 sheet)

Ind. Cl. : 60 X1 55 D2, 32 C.

184975

Int. Cl. : A61K 9/22.

AN IMPROVED PROCESS FOR THE PREPARATION OF MICROCAPSULAR FORMULATIONS OF AGRO-CHEMICALS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001. (INDIA)

Inventor(s) :

- COMANDUR BHASKAR—INDIA
- PARSHURAM GAJANAN SHUKLA—INDIA
- NATARAJAN RAJAGOPALAN—INDIA

Application for Patent No. 687/Del/96 filed on 29-03-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

Claims 8

An improved process for the preparation of microcapsular formulations of agrochemicals which comprises of preparing the paste or suspension of the conventional active agrochemical ingredient such as herein described in vegetable oil, dispersing the resultant paste/solution in water having optionally anionic surfactant with constant stirring at a temperature of 30 to 45°C, adding, the conventional amino polycondensate(s) to this mixture, optionally with surfactant, at a pH in the range of 5.5 to 7.0, adjusting the pH further to 3.0 to 5.0 by known method raising the temperature to 50 to 70°C and heating for about 2 to 6 hours, cooling to room temperature, filtering and washing the microcapsular formulations of agrochemicals.

(Compl. Specn. : 24 pages;

Drgn. : nil sheet)

Ind. Cl. : 55E4

184976

Int. Cl. : C 07D 241/00

A NOVEL PROCESS FOR THE PREPARATION OF 8-CHLORO - 6 - (2-FLUOROPHENYL) - 1 - METHYL - 4H-IMIDAZO (1, 5a) (1, 4) BENZODIAZEPINE (MIDAZOLAM)

Applicant . RANBAXY LABORATORIES LIMITED A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 OF 19, NEHRU PLACE, NEW DELHI-110 019, (INDIA).

Inventors :

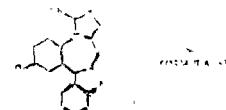
- JAG MOHAN KHANNA—INDIA,
NARESH KUMAR—INDIA,
CHANDRA HAS KHANDURI—INDIA,
MUKESH KUMAR SHARMA—INDIA,
PANKAJ SHARMA—INDIA,
SWARGAM SETHY ANARAYANA—INDIA,
GIRIJ PAL SINGH—INDIA.

Application for Patent No. 1298/Del/96 filed on 13-06-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110 005.

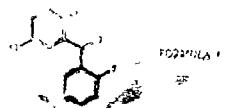
4 Claims

A novel process for the preparation of 8-chloro-6-(2-fluorophenyl)-1-methyl-4H-imidazo (1, 5a) (1, 4) benzodiazepine (Midazolam) having the formula VII



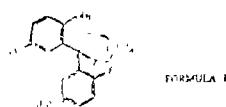
which process comprises the following steps :—

- Treating the starting compound 2-amino-5-chloro-2-fluorobenzophenone of formula I



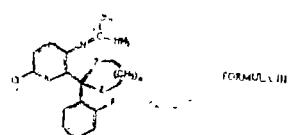
with 1, 2-ethanol, 1, 3-propanedithiol or 1, 2-ethanodithiol in the presence of a lewis acids such as herein described at a temperature of from -5°C to 90°C to give 4-chloro-2-[2-(2-fluorophenyl)-1, 3-dithian-2-yl] benzouamine having the formula II, wherein Z is S or O and n=2 or 3,

- Reacting the compound of the formula II



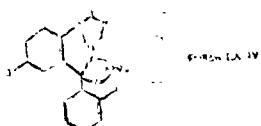
prepared with acetonitrile, in the presence of lewis acids such as herein described to give a compound having the formula III, wherein Z and n are as defined above.

- The compound of the formula III



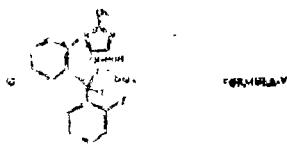
prepared is reacted with bromo malonaldehyde in an alcoholic solvent like C₁-C₄ alcohol to give a compound of the formula IV wherein Z and n are as defined above.

(iv) The compound of the formula IV



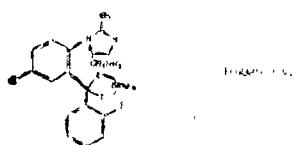
prepared is reacted with hydroxylamine salts in alcoholic solvents like C₁-C₄ alcohols at a temperature ranging from room temperature to reflux temperature to yield the Oxime of the formula 5 wherein Z and n are as defined above.

(v) The compound of the formula V



prepared is reduced using alkali metal hydrides such as sodium borohydride, sodium cyanoborohydride and lithium aluminiumhydride to give aminomethyl derivative of the formula VI wherein Z and n are as defined above.

(vi) The deprotection of the carbonyl functionality of the compound of the formula VI



by using dimethyl sulfoxide/iodine or ceric ammonium nitrate wherein Z and n are as defined above to give the final product Midazolam having the formula VII.

(Compl. Specn. 7 Pages;

Drgn. 3 Sheets)

Ind. Cl. : 55 B-3.

184977

Int. Cl.⁴ : D 21H //22.

A PROCESS FOR PREPARATION OF AN IMPREGNATED FILTER PAPER STRIPS FOR RAPID DETECTION OF INSECTICIDE RESISTANCE IN MOSQUITOES.

Applicant : THE CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, TECHNICAL COORDN. DTE, B-341 SENA BHAWAN, DHQ P.O. NEW DELHI-110 011, INDIA.

Inventor(s) :

1. DR. NATARAJAN GOPALAN—INDIA
2. DR. BI JOY KRISHNA BHATACHARYA—INDIA
3. DR. SHRI PRAKASH—INDIA
4. KARUMURU MALLIARJANA RAO—INDIA
5. DR. RAMAMURTHY VAIDYANATHASWAMY—INDIA

Application for Patent No. 1507/Del/96 filed on 09-07-96

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the preparation of impregnated filter paper strips for rapid detection of insecticide resistance in mosquitoes comprising .—

- (a) Dipping the filter paper strips into a solution of substrate β-naphthyl butyrate and alcohol for a period of 5–10 seconds to provide a coating thereon,
- (b) Drying said coated filter paper strips,
- (c) Treating the dried coated filter paper strip with a stabiliser as herein described of the concentration of 0.005 to 0.03%,
- (d) Drying the said paper to obtain impregnated filter paper.

(Compl. Specn. : 14 pages;

Drgn. : nil sheet)

184978

Ind. Cl. : 32 A₆, 62 C₁.

Int. Cl.⁴ : C09 B. 67/22.

AN IMPROVED PROCESS FOR THE EXTRACTION OF XANTHOPHYLL FROM MARIGOLD FLOWERS (TAGETESERECTA).

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) :

1. SHRI NIWAS GARG—INDIA
2. SHRAWAN KUMAR VERMA—INDIA
3. MADAN MOHAN GUPTA—INDIA
4. SUSHIL KUMAR—INDIA

Application for Patent No. 2170/Del/96 filed on 04-10-96.

Complete left after Provisional filed on 24-06-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

An improved process for the extraction of xanthophyll from marigold flowers (Tagetes erecta) which comprises extracting dried marigold flowers once or more using organic anhydrous polar solvent, concentrating the said extract till no turbidity appears, hydrolysing the concentrated extract with conventional alcoholic alkali, adding distilled water removing the solvent by conventional vacuum application to produce hydrolysed xanthophyll ester (hecenin) then extracting with organic water immiscible polar solvent, removing the solvent till dryness, adding non polar organic solvent to precipitate the xanthophyll followed by purifying the xanthophyll by repeated washing with same solvent.

(Provnl. Specn. : 4 pages

Drgn. : nil sheet)

(Compl. Specn. : 11 pages;

Drgn. : nil sheet)

184979

Ind. Cl. : 32 F (2b)

Int. Cl.⁴ : C 07 D 309/36.

A PROCESS FOR THE PREPARATION OF NOVEL OXYMETHONYL-PHENYL-PYRONE DERIVATIVE.

Applicant : BASF AKTIENGESELLSCHAFT A COMPANY OF D 51068 EVERKUSEN, GERMANY.

Inventors :

1. THOMAS BREITSCHNEIDER
2. REINLR FISCHER
3. FOLKER LIEB
4. HERMANN HAGEMANN
5. MICHAEL RUTHER
6. JORG STETTER
7. WOLFRAM ANDERSCH
8. CHRISTOPH ERDELEN
9. GERD HANDBLER
10. NURBERT MENCKE
11. KLAUS STENZEL
12. ANDREAS TURBERG
13. ULRIKE WACHENDORFF-NEUMANN-GERMANY.

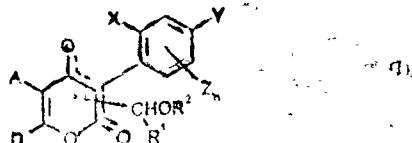
Application for Patent No 2541/Del/96 filed on 19-11-96.

Convention Application No. 19544457.4/Germany/29-11-95.

Appropriate Office for Opposition Proceedings (Rules 4. Patent Rules, 1972). Patent Office Branch, New Delhi-110 005.

2 Claims

Process for the preparation of novel oxymethoxy-3-aryl-pyrone derivative of the formula (I)



in which

X represents halogen, nitro, cyano, alkyl, alkenyl, alkoxy, alkenyloxy, alkylthio, alkylsulfinyl, alkylsulfonyl, halogenoalkyl, halogeno-alkenyl, halogenoalkoxy, halogenoalkenyloxy or in each case unsubstituted or substituted phenyl, phenoxy, phenylthio, benzoyloxy or benzylthio.

y represents hydrogen, halogen, nitro, cyano, alkyl, alkenyl, alkoxy, alkenyloxy, alkylthio, alkylsulfinyl, alkylsulfonyl, halogenoalkyl, halogenoalkenyl, halogenoalkoxy or halogeno-alkenyloxy.

Z represents halogen, nitro, cyano, alkyl, alkenyl, alkoxy, alkenyloxy, halogenoalkyl, halogenoalkenyl, halogenoalkoxy or halogeno-alkenyloxy.

n represents one of the numbers 0, 1, 2 or 3.

A represents hydrogen halogen an unsubstituted or substituted radical selected from the group comprising alkyl, cycloalkyl, alkinyl, arylalkyl, aryl, hetarylalkyl or hetaryl; or one of the groups -COR⁴, -CO₂R⁴, -CN, CONR³R⁴, -SO₂R⁴ or P(O)(OR³)OR⁴, in which

R⁴ and R⁴ independently of one another represent hydrogen or in each case unsubstituted or substituted alkyl, alkenyl, arylalkyl, aryl, hetarylalkyl or hetaryl or

R⁴ and R⁴ together represent an unsubstituted or substituted alkylene group, in which one or more methylene groups is or are optionally replaced by the same number of hetero atoms,

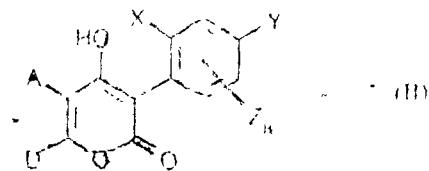
D represents hydrogen or unsubstituted or substituted radical selected from the group comprising alkyl, alkenyl, alkinyl, alkoxyalkyl, polyalkoxyalkyl, alkylthioalkyl, saturated or unsaturated cycloalkyl, saturated or unsaturated heterocyclyl, arylalkyl, aryl, hetarylalkyl and hetaryl or

A and D together represent in each case an unsubstituted or substituted alkylene or alkenylene group, in each of which one or more methylene groups is or are optionally replaced by the same number of hetero atoms or hetero groups.

R¹ represents hydrogen or alkyl which is optionally substituted by halogen and

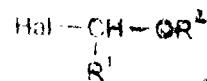
R' represents alkyl, alkenyl or alkinyl, each of which is optionally substituted by halogen.

characterized in that compounds of the formula (II)



in which

A, D, X, Y, Z and n have the meanings specified above are reacted with compounds of the formula (III)



in which

R¹ and R² have the meanings specified above and

Hal represents halogen,

in the presence or absence of a diluent and in the presence or absence of a reaction auxiliary.

(Compl. Specn. 64 pages ;

Drg. Sheet Nil)

Ind. Cl. : 32 E.

184980

Int. Cl. : M 08 F, 236/02.

A PROCESS FOR POLYMERIZING AN OLEFIN.

Applicant : EXXON CHEMICAL PATENTS INC., A CORPORATION OF DELAWARE, UNITED STATES OF AMERICA, CARRYING ON BUSINESS AS A COMPANY FOR THE HOLDING OF PATENTS AND GRANTING LICENSES THEREUNDER, AND TECHNICAL DEVELOPMENT AND RESEARCH WORK AT 1900 EAST LINDEN, NEW JERSEY, UNITED STATES OF AMERICA, AND UNIVERSITY OF MASSACHUSETTS LOWELL, OF 450 AIKEN STREET, LOWELL, MASSACHUSETTS, U.S.A.

Inventor(s) :

1. RUDOLF FAUST—HUNGARY
2. MIKLOS GYOR—HUNGARY
3. HSIEN-CHANG WANG—U.S.A.

Application for Patent No. 583/Del/92 filed on 03rd July, 1992.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

12 Claims

A process for polymerizing an olefin comprising :—

— contacting an olefin chargestock of the kind such as herein before described with

(A) an organic compound as in initiator selected from the group consisting of an alcohol, an ester, an organic halide and mixtures thereof of the kind such as hereinbefore described;

- (B) a Lewis acid comprising $TiCl_4$ as a co-initiator present in at least stoichiometric amount relative to the amount of said initiator, and
 (C) a pyridine compound as a proton trap selected from the group consisting of 2, 6-di-tert-butylpyridine, a substituted 2, 6-di-tert-butylpyridine, and mixture thereof present in at least stoichiometric amount relative to protic impurities;

at polymerization conditions including a temperature ranging from minus 100°C to plus 10°C in a polymerization zone optionally comprising a diluent, to produce a polymer having an average molecular weight ranging from 500 to 2,000,000.

(Compl. Specn. : 18 pages;

Drgns. : 6 sheets)

Ind. Cl. : 136 E, 32 F3 C & 32 E 184981

Int. Cl.⁴ : B 29 D 11/00, G 02 C 7/04 & G 02 B 1/04.

A PROCESS FOR THE MANUFACTURE OF A BIOMEDICAL MOULDING SUCH AS CONTACT LENSES.

Applicant : NOVARTIS AG, OF SCHWARZWALDALLEE 215, 4058 BASEL, SWITZERLAND, A SWISS COMPANY.

Inventor : BEAT MULLER.

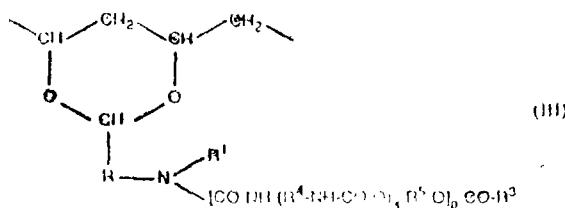
Application No. 656/Mas/94 filed on 18th July 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A process for the manufacture of a biomedical moulding comprising the following steps :

(a) preparing an aqueous solution of a water-soluble prepolymer that is a polyvinyl alcohol having a molecular weight of at least 2000 that, based on the number of hydroxy groups of the polyvinyl alcohol, comprising from 0.5 to 80% of units of formula III



wherein R is alkylene having up to 8 carbon atoms, R¹ is hydrogen or alkyl having upto 7 carbon atoms, p is zero or one, q is zero or one, R² is an olefinically unsaturated copolymerisable radical having from 2 to 8 carbon atoms, and R³ and R⁴ are each independently lower alkylene having from 2 to 8 carbon atoms, arylene having from 6 to 12 carbon atoms, a saturated divalent cycloaliphatic group having from 6 to 10 carbon atoms, arylenealkylene or alkylenearylene having from 7 to 14 carbon atoms or arylenealkylenearylene having from 13 to 16 carbon atoms ;

- (b) introducing the solution obtained into a mould,
- (c) triggering the photocrosslinking using UV radiation, and
- (d) opening the mould to remove the moulding.

(Compl. Specn. : 36 pages;

Drgn. nil sheet)

Ind. Cl. : 168 C, 206 E.

184982

Int. Cl.⁴ : G 05 B 13/00.

AN AUTOMATICALLY TUNABLE CONTROL SYSTEM.

Applicant : FISHER-ROSEMOUNT SYSTEMS, INC., A DELAWARE CORPORATION, 8301 CAMERON ROAD, AUSTIN, TEXAS 78754, USA.

Inventor : S. JOE QIN.

Application No. 667/Mas/94 filed on 20th July 1994.

Appropriate Office for Opposition Proceedings (Rule Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

An automatically tunable control system, comprising : fuzzy logic controller having tunable control parameters for controlling a process; and a tuning module having a controllable signal generator selectively connectable to said system and a tuner that determines dynamic process characteristics of said process, that calculates control parameters for said fuzzy logic controller as functions of said dynamic process characteristics, and that tunes the fuzzy logic controller using said control parameters.

(Compl. Specn. : 29 pages;

Drgns. : 10 sheets)

Ind. Cl. : 128 H

184983

Int. Cl.⁴ : A 61 F - 13/20.

AN APPLICATOR FOR HYGIENIC PURPOSES.

Applicant : KIMBERLY-CLARK WORLDWIDE INC., OF 401 NORTH LAKE STREET, NEENAH, WISCONSIN 54957-0349, U.S.A. (A U. S. COMPANY).

Inventors :

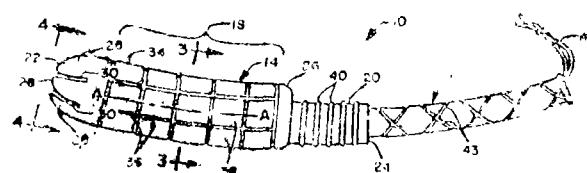
1. DONALD GEORGE FOX
2. DANIEL JAMES HEUER
3. FREDERICK MYRON GUENTHER.

Application No. 794/Mas/94 filed on 22nd August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

18 Claims

An applicator for hygienic purposes comprising a first member (14) to hold a pledget (12), said first member (14) being constructed of a thermoplastic, water-dispersible material, said first member (14) having an inner (32) and an outer periphery (34), characterized in that said first member (14) has a thin wall (26) and said applicator (10) further comprises a plurality of grooves (36) formed in said wall (26) for accelerating breakup of said first member (14) when said applicator (10) is immersed in water, said grooves (36) having a depth of between 5%—75% of said wall thickness.

**FIG. 1**

(Compl. Specn. : 16 pages;

Drgn. 3 Sheets)

(Compl. Specn. 16 pages;

Drgn. 3 Sheets)

Ind. Cl. : 172 D 3.

184984

Int. Cl.⁴ : D 01 H 7/00.

Application No. 801/Mas/94 filed on 24th August 1994.

SPINNING MACHINE WITH UNDERWINDING CROWN.

Applicant : MASCHINENFABRIK RIETER AG, CH-8406 WINTERTHUR, SWITZERLAND, A SWISS COMPANY.

Inventors :

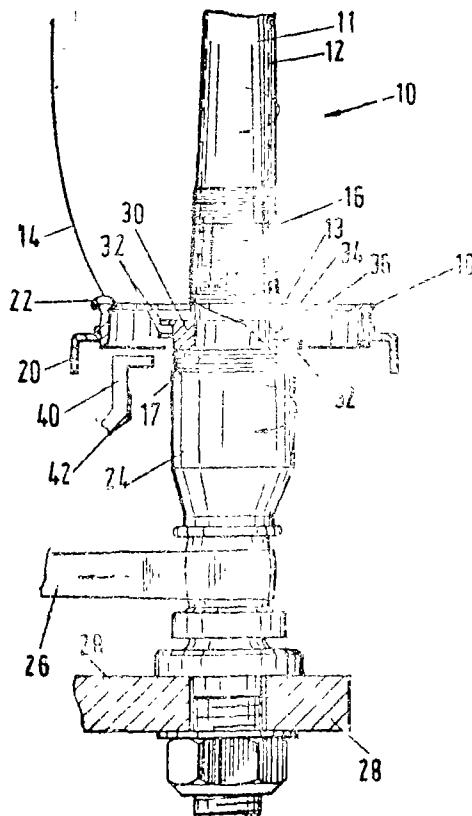
1. ZECH FRANK.
2. FUERER JURG.

Application No. 798/Mas/94 filed on 23rd August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A ring spinning machine with a spindle (10) which carries an underwinding crown (30, 36) on the whorl, with at least one catch ring (32) characterized in that above a catch ring (32), a rejection ring (34) is fitted with a surface without radial recesses.



(Compl. Specn. 10 Pages;

Drgs. 1 Sheet)

Ind. Cl. : 206 F, A.

184985

Int. Cl.⁴ : H 04 L 5/00 & H 01 Q 21/00.

A DIGITAL COMMUNICATION SYSTEM.

Applicant : QUALCOMM INCORPORATED, A DELAWARE CORPORATION, OF 6455 LUSK BOULEVARD, SAN DIEGO, CA 92121, USA, A US CORPORATION.

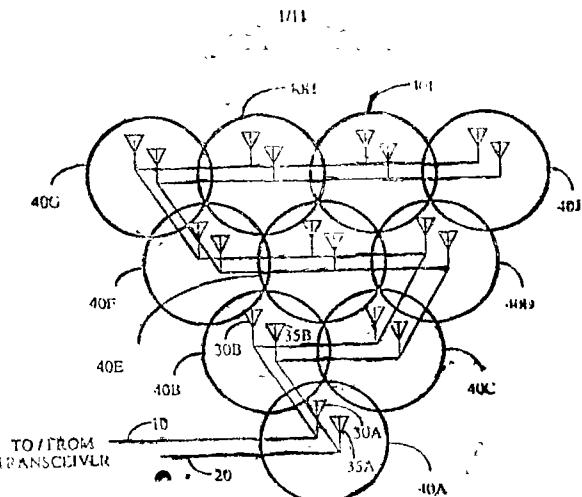
Inventors :

1. RICHARD F DEAN
2. FRANKLIN P. ANTONIO
3. KLEIN S. GILHOUSEN
4. CHARLES E WHEATLEY, III.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

28 Claims

A digital communication system in which at least one remote terminal communicates with other terminals through a base using digitally modulated communication signals, said base station having an antenna system comprising a set of antennas (30A-30J, 35A-35J) in which each antenna has an antenna pattern; signal distribution means (10, 20) for coupling said communication signals between said base station and the antennas or said set; and delay means (194) operatively coupled to said antennas of said set and signal distribution means (10, 20) for providing a predetermined delay in said communication signals coupled between said base station and said antennas, characterized by said set of antennas comprising a first set of spaced apart antennas (30A-30J) and a second set of spaced part antenna, (35A-35J), each antenna of said second set of antennas being positioned with a corresponding antenna of said first set of antennas to form node; said signal distribution means comprising first signal distribution means (10) for coupling said first communication signals between said base station and said antenna (30A-30J) of said first set and second signal distribution means (20) for coupling said communication signal between said base station and said antennas (35A-35J) of said second set; and said delay means comprising first delay means (194) operatively coupled to said antennas (30A-30J) of said first set and said first signal distribution means (10) for providing a predetermined delay in said communication signals coupled between said base station and said antennas (30A-30J) and second delay means (194) operatively coupled to said antennas (35A-35J) of said second set and said second signal distribution means (20) for providing a predetermined delay in said communication signals coupled between said base station and said antennas (35A-35J); and in that at each node said antenna from said first set (30A-30J) and said antenna from said second set (35A-35J) are arranged to provide diversity at the node, and the nodes are positioned within a desired area of coverage for the base station such that together the antenna patterns cover the desired area and such that antenna patterns at adjacent nodes overlap to provide diversity between the nodes in the system.



(Compl. Specn. 40 Pages;

Drgs. 11 Sheets)

Ind. Cl. : 71 B, C.

184986

Int. Cl.⁴ : E 02 F -- 3/627, 3/36.

A LOADER ATTACHMENT FOR ATTACHING TO A LOADER.

Applicant : NIKOLA SOLAJA, AN AUSTRALIAN CITIZEN OF 17 WHITTLE PLACE, STIRLING, WESTERN AUSTRALIA 6021.

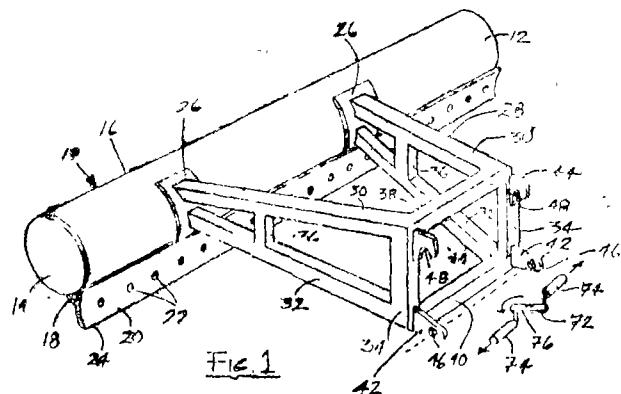
Inventor : 1. NIKOLA SOLAJA.

Application No. : 836/Mas/94 filed on 30th August 1994.

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A loader attachment for attaching to a loader, the said loader attachment comprises an elongated body member generally in the form of a cylinder having a curved outer surface, a blade extending laterally of the elongated body member and projecting outwardly therefrom, and frame means having a first end and a second end, said first and second ends being spaced apart from one another, the first end of the frame means being attached to the curved surface of the elongated body member and the second end of the frame means being provided with at least one recessed member and at least one eye to enable the attachment to be engaged with and disengaged from a quick release mechanism of the loader, which quick release mechanism is operable from the driving position of the loader, said blade being disposed relative to the loader such that when the loader is orientated in a first position the blade is engageable with the ground upon movement of the loader and when the loader is orientated in a second position the curved outer surface of the body member is engageable with the ground and to smooth the ground upon movement of the loader.



(Compl. Specn. 17 Pages:

Drgs. 8 Sheets)

Ind. Cl. : 136 E.

184987

Int. Cl. : B 29 B - 11/06.

MULTI-LAYER PREFORM USED FOR PLASTIC BLOW MOLDING AND METHOD FOR MAKING THE PREFORM.

Applicant : PLASTIPAK PACKAGING, INC. OF PO BOX 2500 C, 9135 GENERAL COURT, PLYMOUTH, MICHIGAN 48170, USA (A CORPORATION OF THE STATE OF DELAWARE).

Inventors :

1. WILLIAM A. SLAT.
2. RICHARD C. DARR.

Application No : 839/Mas/94 filed on 31st August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

19 Claims

A multi-layer preform used for plastic blow molding, comprising at least one inner layer made of at least polyethylene naphthalate for providing a gas barrier; and an injection molded outer layer of polyethylene terephthalate which, upon

blow molding of the preform into a container, has reduced transmission of gas due to the gas barrier provided by the inner layer of polyethylene naphthalate.

(Compl. Specn. 23 Pages:

Drgs. 3 Sheets)

Ind. Cl. : 136 E.

184988

Int. Cl. : B 29 B - 11/06.

POLYETHYLENE TEREPHTHALATE MULTI-LAYER PREFORM USED FOR PLASTIC BLOW MOLDING AND METHOD FOR MAKING THE PREFORM.

Applicant : PLASTIPAK PACKAGING, INC., OF PO BOX 2500 C, 9135 GENERAL COURT, PLYMOUTH, MICHIGAN 48170, U.S.A; A CORPORATION OF THE STATE OF DELAWARE, USA.

Inventors :

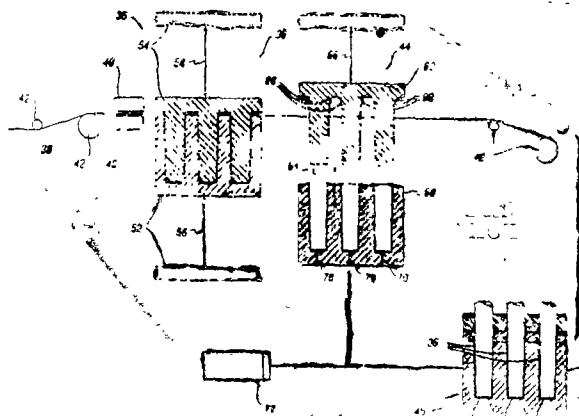
1. WILLIAM A. SLAT
2. RICHARD C. DARR.

Application No. 840/Mas/94 filed on 31st August 1994.

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A polyethylene terephthalate multi-layer preform used for plastic blow molding, comprising : an inner layer of virgin polyethylene terephthalate; and an injection molded outer layer of post consumer recycled polyethylene terephthalate which by weight is greater than 75% of the total weight of the preform.



Application No. 888/Mas/94 filed on 12th September 1994.

Divisional to Patent Application No. 114/Mas/91; Antedated to 11th February 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A process for preparing a polyurethane foam comprising the steps of :

- (a) preparing an isocyanate terminated prepolymer comprising 5 to 31% by weight of isocyanate by intimately contacting at a temperature of 45 to 90°C, a polyisocyanate composition such as herein described containing at least 40% by weight of 4, 4'-methylene diphenyl di-isocyanate with a polyoxyalkylene polyol having an average functionality of 2 to 4 and a hydroxyl equivalent weight of 2200 to 3500 and containing 40 to 68% by weight of oxyethylene residues;
- (b) intimately mixing the isocyanate terminated prepolymer obtained from step (a) with an active hydrogen containing composition such as herein described to obtain the polyurethane foam wherein the said active hydrogen containing composition comprises (1) a high equivalent weight isocyanate reactive material such as herein described, (2) a blowing agent such as herein described and (3) a catalyst such as herein described for promoting the formation of urethane groups and the amount of isocyanate terminated prepolymer is sufficient to provide 0.6 to 1.3 isocyanate groups per active hydrogen atom present in the active hydrogen-containing composition.

(Compl. Specn. 28 Pages;

Drgn. Sheet : Nil)

Ind. Cl. : 70 B

184990

Int. Cl. : C 25 B 11/06

LOW-HYDROGEN OVERTOLVAGE CATHODE AND METHOD OF PRODUCING THE SAME

Applicant : CHLORINE ENGINEERS CORP., LTD., A JAPANESE CORPORATION, OF TOMIOKABASHI BLDG., 6-11, FUKAGAWA 2-CHOME, KOTOH-KU, TOKYO 135 JAPAN.

Inventors :

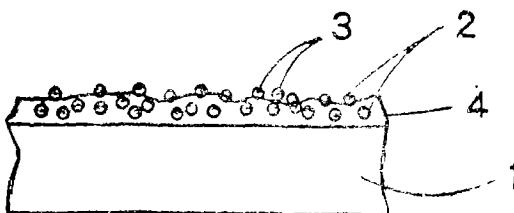
- (1) OSAMU ARIMOTO.
- (2) SHINJI KATAYAMA.

Application No. 925/Mas/94 filed on 21st September 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A low-hydrogen overvoltage cathode having an electrode active layer formed on a substrate, characterised in that said electrode active layer is a nickel layer having in its interior and on a surface thereof active carbon particles supporting at least one platinum metal selected from the group consisting of platinum, rhodium, iridium and palladium.



(Compl. Specn. 18 Pages:

Drgn. : 1 Sheet)

OPPOSITION PROCEEDINGS

An opposition entered by M/s. Dabur Research Foundation, Ghaziabad (U.P) to the grant of patent to the application No. 178870 (1256/Del/92) has been dismissed and the application for patent has been ordered to proceed for sealing.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 165910 dt. the 10-12-1986 made by Fried Krupp Gesellschaft Mit Beschränkter Haftung on the 5-10-1993 and notified in the official Gazette of India, Part-III, Section 2, dt. 25-12-1993 has been allowed and the said patent restored.

CESSATION OF PATENTS

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PATENT SEALED ON 15-09-2000

182793 183116 183611 183612* 183613 183614 183615*
 183617*D 183618*D 183619*D 183620*D 183621* 183622
 183623 183624 183626* 183627* 183628 182629* 183630
 183631 183632 183633* 183636*D 183637*F 183638*D
 183639*F 183640* 183641* 183644 183645 183646 183647
 183651*F 183657*D 183658*D 183659*D 183660*

CAL-07, DEL-32, MUM-NIL, CHEN-NIL

*Patent shall be deemed to be endorsed with words Licence of Right Under Section 87 of the Patents Act., 1970 from the date of expiration of three years from the date of sealing.

D--Drug Patents.

F--Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 182111, Ilona Loock, Josef-Teusch-Str., 2, D-50935 Koln, Germany. "Hanger". April 13, 2000.

Class 1. No. 182571, Suzuki Motor Corp., Japanese Corporation of 300, Takatsura-Cho, Hamamatsu-Shi, Shizuoka-Ken, Japan. "Automobile". June 6, 2000.

Class 3. No. 180683. The Procter & Gamble Company of One Procter Gamble Plaza, Cincinnati, Ohio, USA. "Container and Ltd". Sept. 22, 1999 (UK).

Class 3. No. 181835. Linc Pen & Plastics Ltd., 3, Alipore Road, 1st floor, Calcutta-700027, W.B., India, Indian Company, "Pen". March 8, 2000.

Class 3. No. 182260. Malpani Agro Products, Indian Partnership Firm of Malpani House, Sangammer-422605, Ahmednagar, Maharashtra, India. "Bottle". 5th March, 2000.

Class 3. No. 180230. Today's Writing Products Ltd. of Survey No. 251/2/2, Valsad Falia, Near Jain Temple, Dadra, Dadra & Nagar Haveli, Union Territory, 396230, India, Indian Co "Pen". August 24, 1999.

Class 3. No. 182788. Aerolite Industries of 5, Sati Industrial Estate, 1. B. Patel Road, Goregaon (E), Mumbai-400063, Maharashtra, India, Indian Partnership Firm. "Socket". June 3, 2000.

Class 5. No. 180685. The Procter & Gamble Company of One Procter Gamble Plaza, Cincinnati, Ohio-45202, U.S.A. "Embossed Tissue". October 29, 1999.

Class 10. Nos. 181824 to 181828. Unisol India (P) Ltd., of 134, DSIDC Complex, Okhla Industrial Area, Phase-I, New Delhi-110020, Indian Company. "Shoe Sole". March 7, 2000.

H. D. THAKUR
Controller General of Patents Designs & Trade Marks

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